Web servers

Edited Objects server
(106)

INTERNET NETWORK
(105)

www.virgin.net

User workstation
(103)

(104)

Opto-touch foil
(101)

Physical publication
(100)

Early British Kingdoms

David Nash Ford

© CeltsWorld Ltd., Binfield, Berkshire, UK
(1999)

http://www.virgin.net/

Pub: 170301

Fig. 1: Main components of the invention

Edited Objects Table
(206)

Pub.: 170301
Title:
"Early British Kingdoms"
ISBN: 84-344-0856-2
Date: 28/01/2002

(205)

User workstation
(203)

Physical publication
(200)

Early British Kingdoms

David Nash Ford
© *CelticWorld Ltd., Binfield, Berkshire, UK*
(1999)

http://www.virgin.net/

Pub: 170301

(207)   **(204)**
publication number

(201)
Opto-touch foil
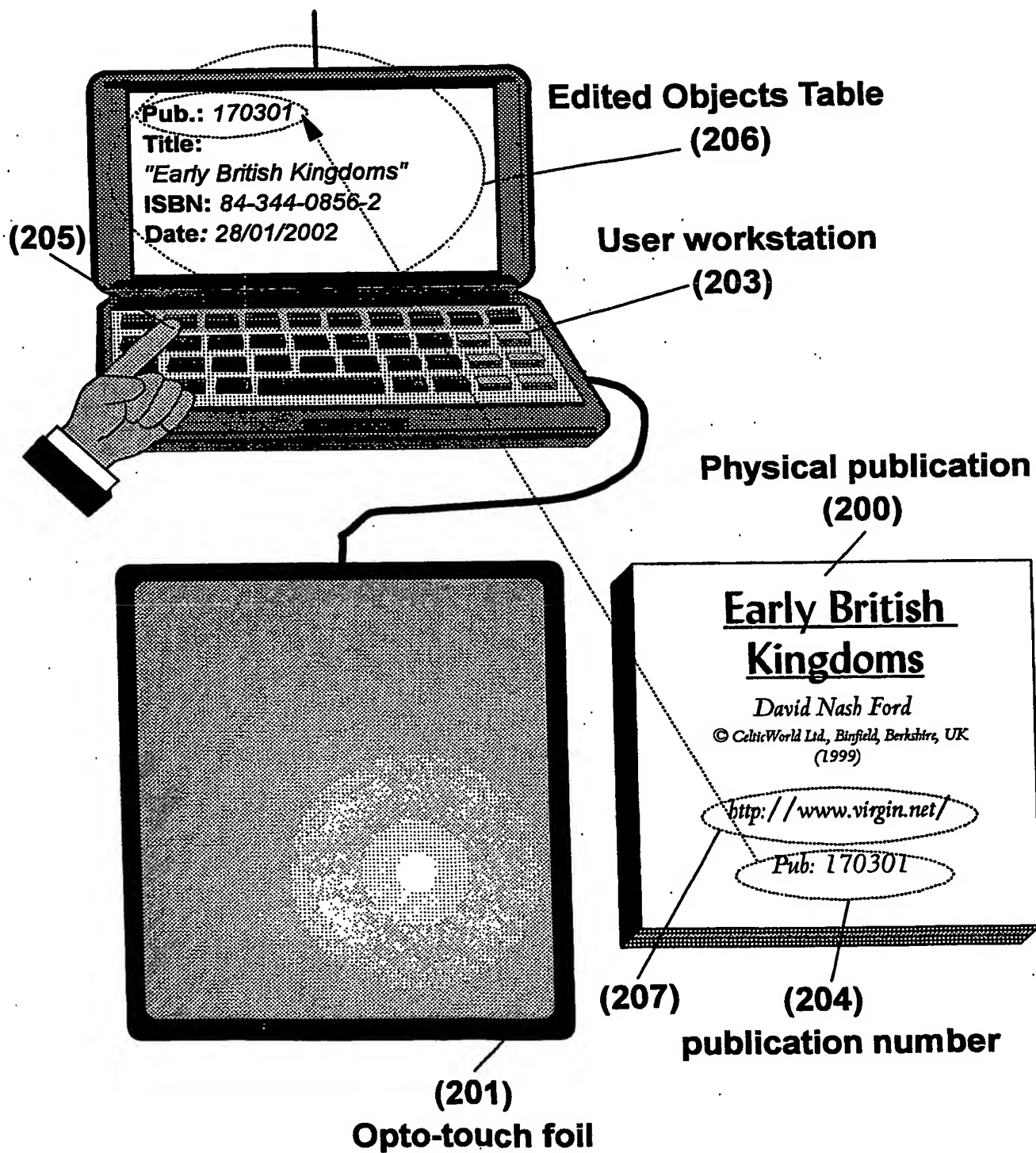
Fig. 2: The user enters the publication number and accesses the associated Edited Objects Table

(300)

Pg: 1

Item position	Item Name	Edited Object Path
X= 45; Y=130	Buelit & Gwerthrynion	c:\170301\1\buelit.html
X=205; Y=170	Caer-Baddan (Bath)	Edited_object_not-found
X= 75; Y=190	Caer-Celemion (Silchester)	c:\170301\1\vortigern.mpg
X=110; Y=255	Ceredigion	c:\170301\1\ceredigion.doc

....

Pg: 115

Item position (320) (311)	Item Name (312)	Edited Object Path (313)
X= 30; Y= 95	Celtic gods	c:\170301\115\celtic-gods.html
X=255; Y=150	Avalon	c:\170301\115\avalon.html
X=225; Y=160	Modron	Edited_object_not-found
X=190; Y=230	Arthur	Edited_object_not-found

....

Pg: 139

Item position	Item Name	Edited Object Path (330)
X= 25; Y= 30	St.Joseph of Arimathea	c:\170301\139\joseph.html
X= 80; Y= 75	The Kings of Dumnonia	c:\170301\139\dummonia.doc
X=140; Y=135	Eudaf Hen & Conan Meri	Edited_object_not-found

....

(310)

Fig. 3: An Edited Objects Table for a publication

Pub.: *170301*
Title:
"Early British Kingdoms"
ISBN: *84-344-0856-2*
Date: *28/01/2002*

**Edited Objects Table
(405)**

**User workstation
(403)**

(404)

**selected page
(406)**

**(400)
Physical publication**

**(401)
Opto-touch foil**
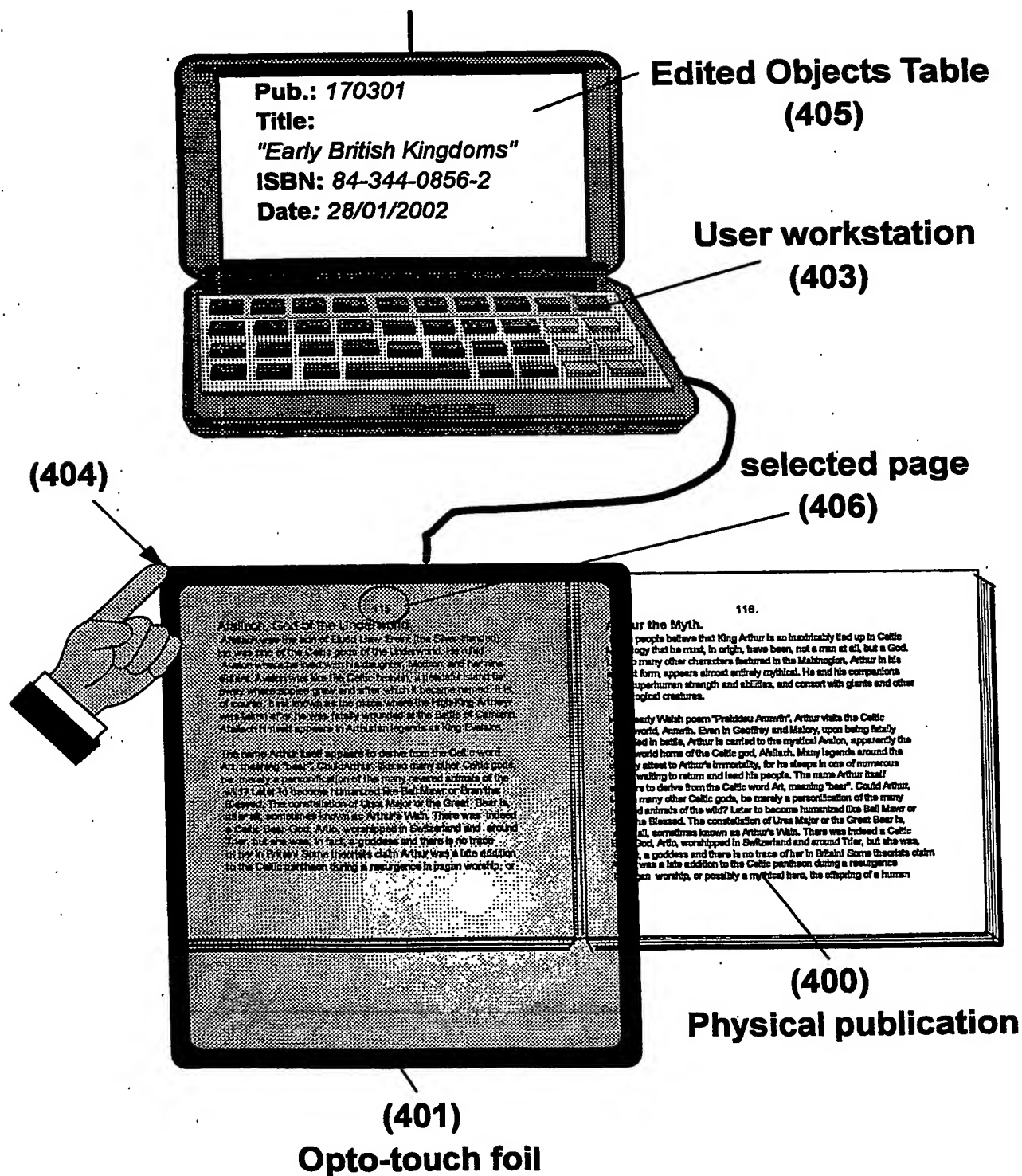
**Fig. 4: The user selects a page of physical publication and places
aligned transparent opto-touch foil over the selected page**

Pub.: *170301*
Page: (115)

User workstation
(503)

(506)

page number
(504)

(500)
Physical publication

(505)
printed items

(501)
Opto-touch foil
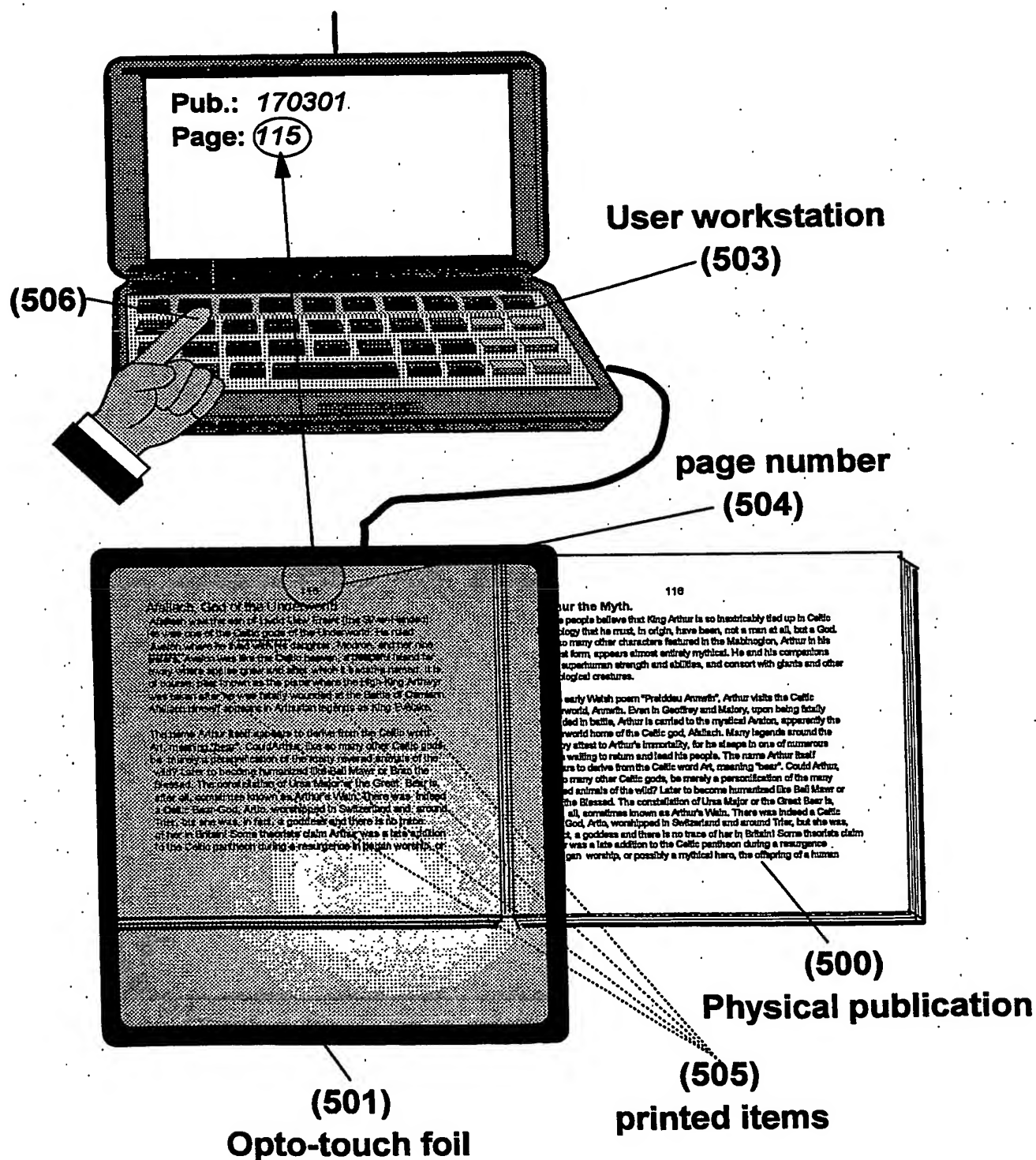
Fig. 5: The user enters the page number on the user workstation and some printed items of this page are highlighted by the opto-touch foil

Pub.: *170301* Page: *115*
X= *30* ; Y= *95*
Object: *Celtic Gods*
on: *c:\170301\115\celtic-gods.html*

**User workstation
(603)**

**selected printed item
(605)**

(602)

**(600)
Physical publication**

**(601)
Opto-touch foil**

**(604)
printed items**

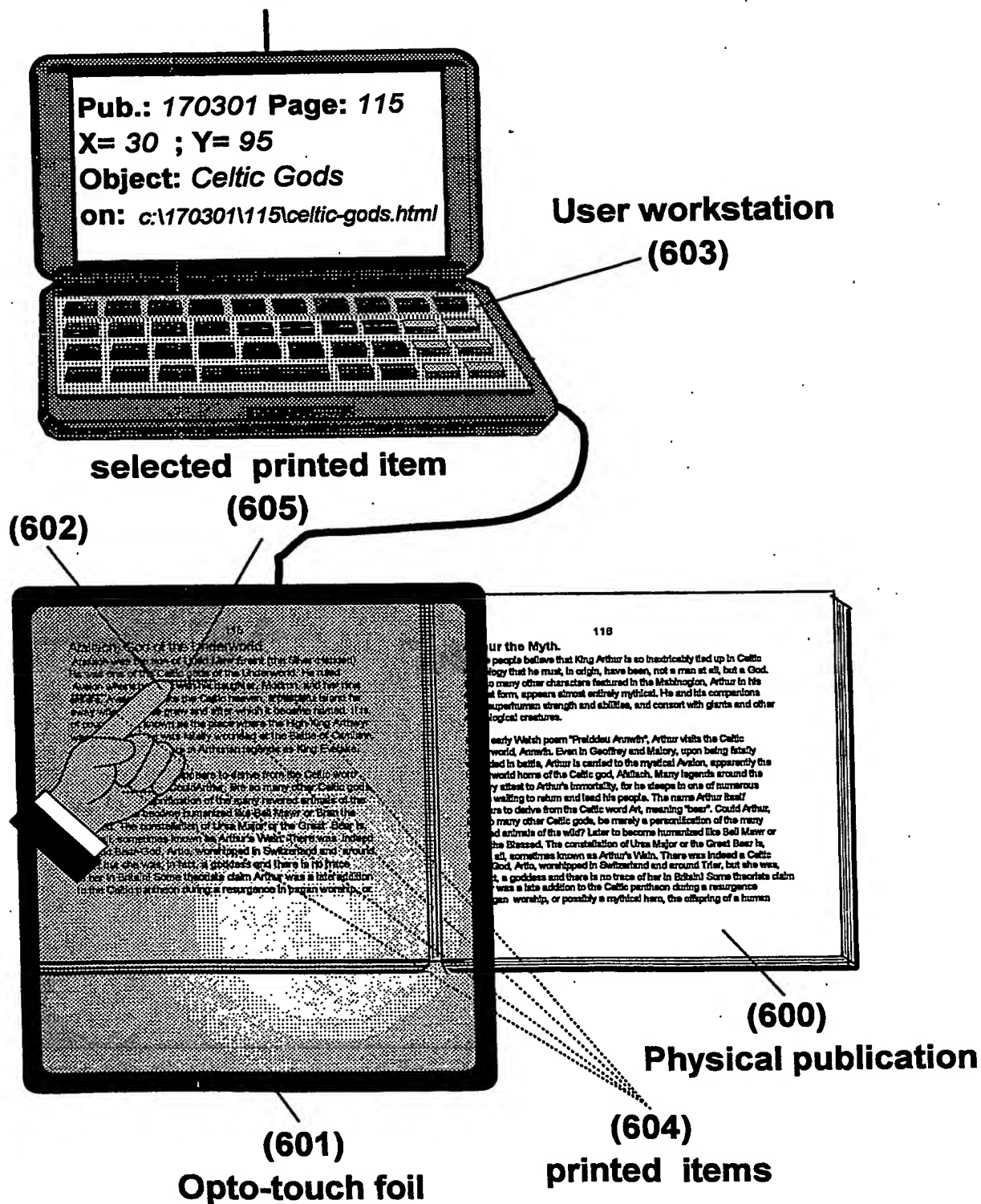**Fig. 6: The user touches the opto-touch foil over a selected printed
item (e.g., Celtic gods)**

Major Celtic Gods and Goddesses
Celtic of Brittany
Celtic of Cornwall & Isle of Man
Celtic of Ireland
Celtic of Scotland
Celtic of Wales
General Celtic

edited object file path:
c:\170301\115\celtic-gods.html

(707)

edited object file:
celtic-gods.html

(706)

User workstation

(703)

selected printed item

(705)

118

(700)
Physical publication

(701)
Opto-touch foil

(704)
printed items
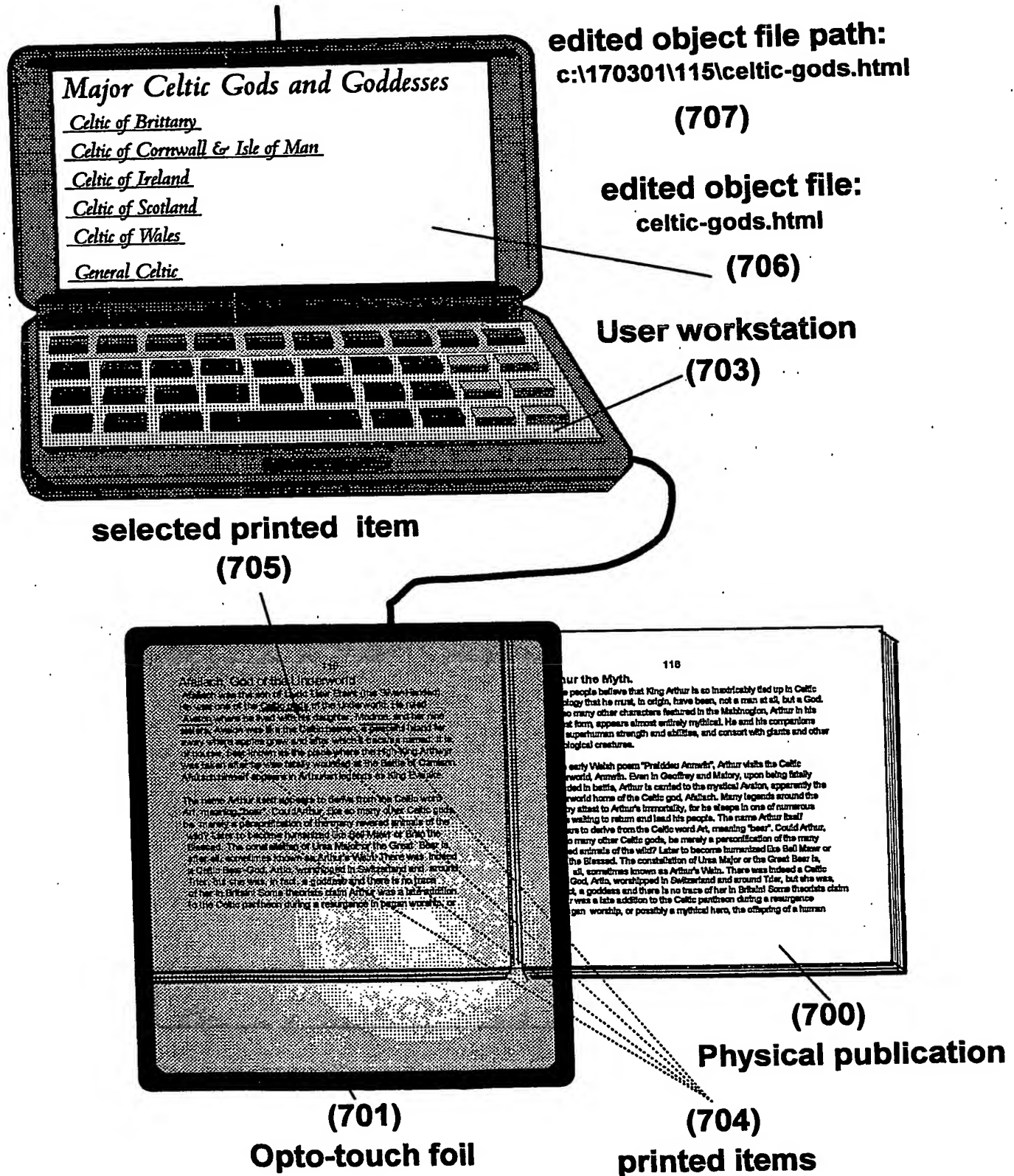
Fig. 7: When a license has been purchased by the user, the selected edited object is retrieved and displayed

Pub.: *170301* **Page:** *115*

X= 225 ; Y= 160

Object: *Modron*

on: *Object not found*

(807)

(806)

User workstation

(803)

selected printed item

(805)

(802)

(800)

Physical publication

(801)

Opto-touch foil

(804)

printed items
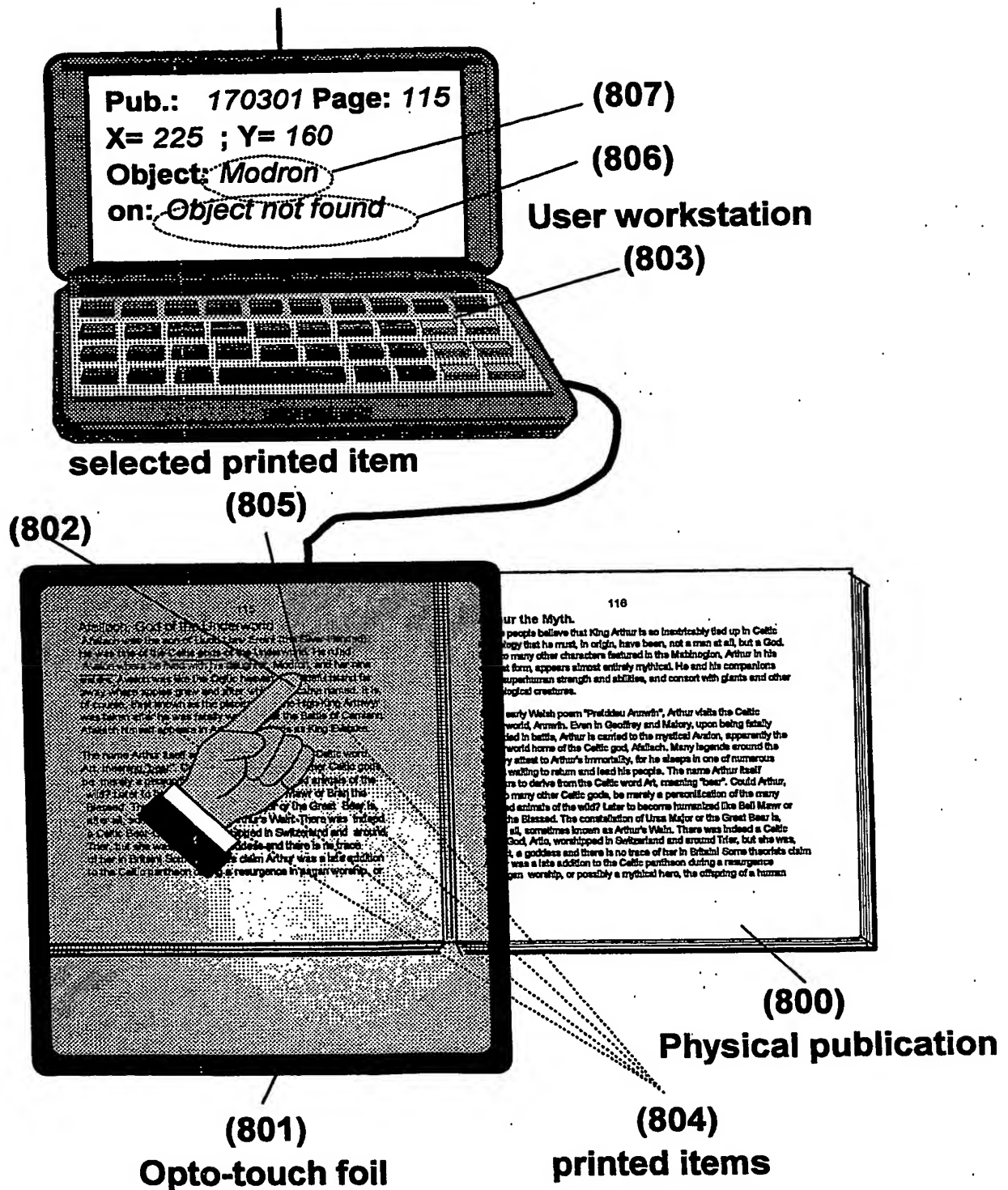
Fig. 8: The user touches the opto-touch foil over another item (e.g., Modron)

Web servers

Edited Objects server (908)

INTERNET NETWORK (907)

www.virgin.net

(906)

http://www.virgin.net/?&doc=170301&page=115&object="Modron"

(909)   (910)

Pub.: *170301* Page: *115*
X= 225 ; Y= 160
Object: *Modron*
on: *Object not found*

User workstation (903)

selected item (905)

Physical publication (900)

Opto-touch foil (901)

printed items (904)
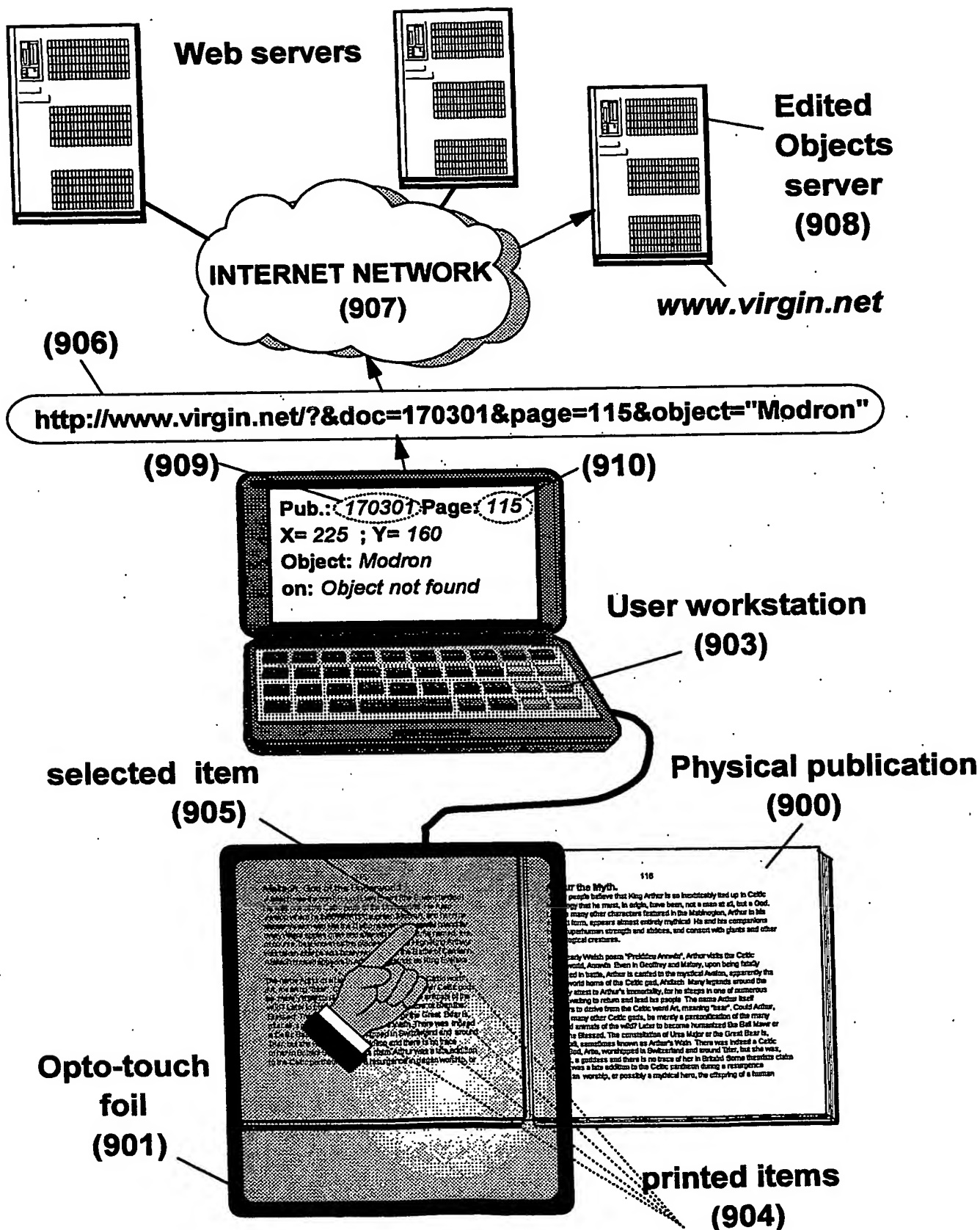
Fig. 9: If no licence has been purchased by the user, a request for information is sent to the Edited Objects server

Web servers

**Edited
Objects
server
(1008)**

**INTERNET NETWORK
(1007)**

www.virgin.net

(1006)

http://www.virgin.net/170301/115/modron-info.html

Modron (The Mother-Goddess) — **(1009)**
Celtic Goddess of Motherhood
The Arthurian Tale of
Culhwch & Olwen,
$ 1,30   Order:

**User workstation
(1003)**

**selected
item
(1005)**

**Physical publication
(1000)**

**Opto-touch
foil
(1001)**

**printed items
(1004)**
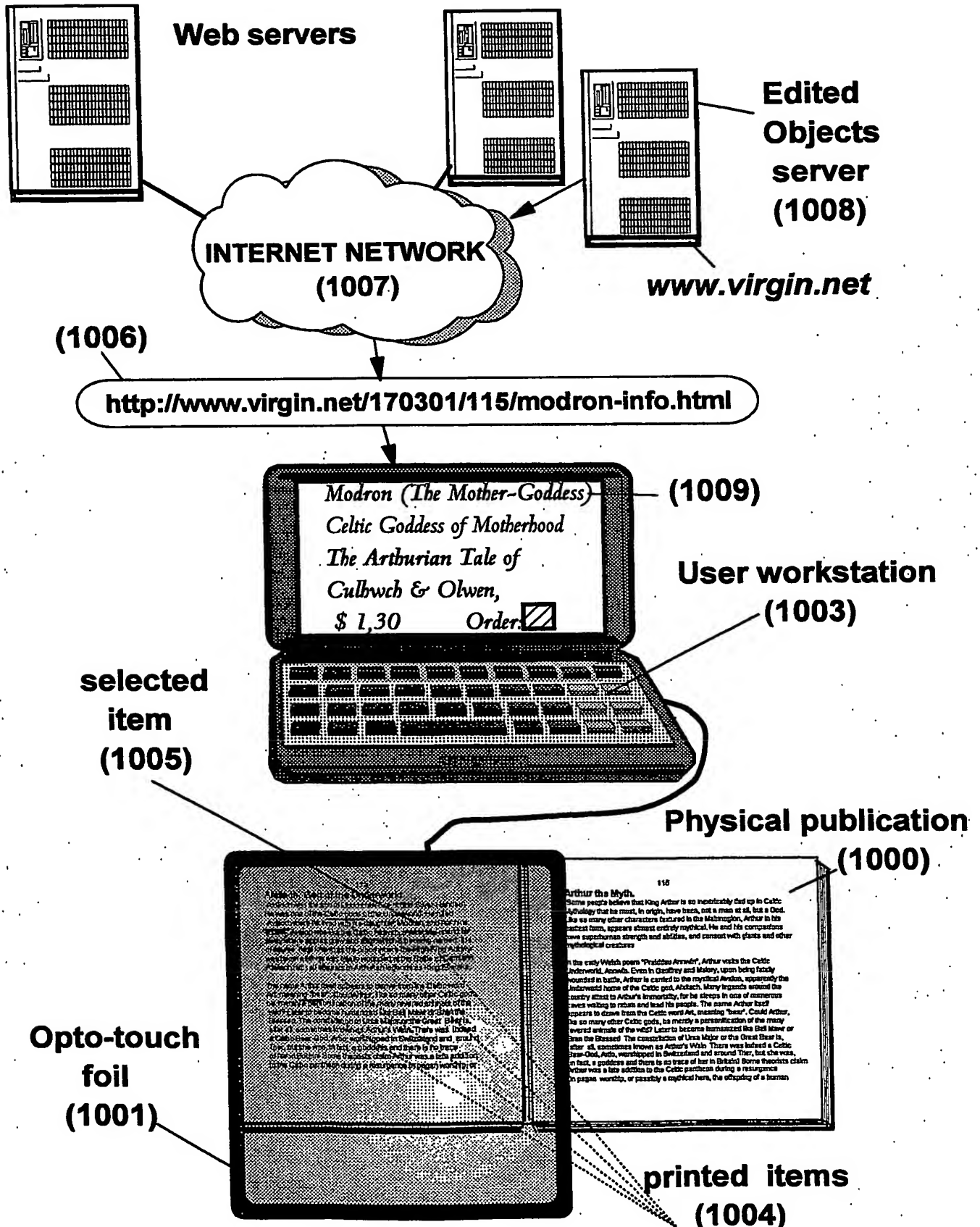
**Fig. 10: A description of the edited object and ordering information are
received from the Edited Objects server**

Web servers
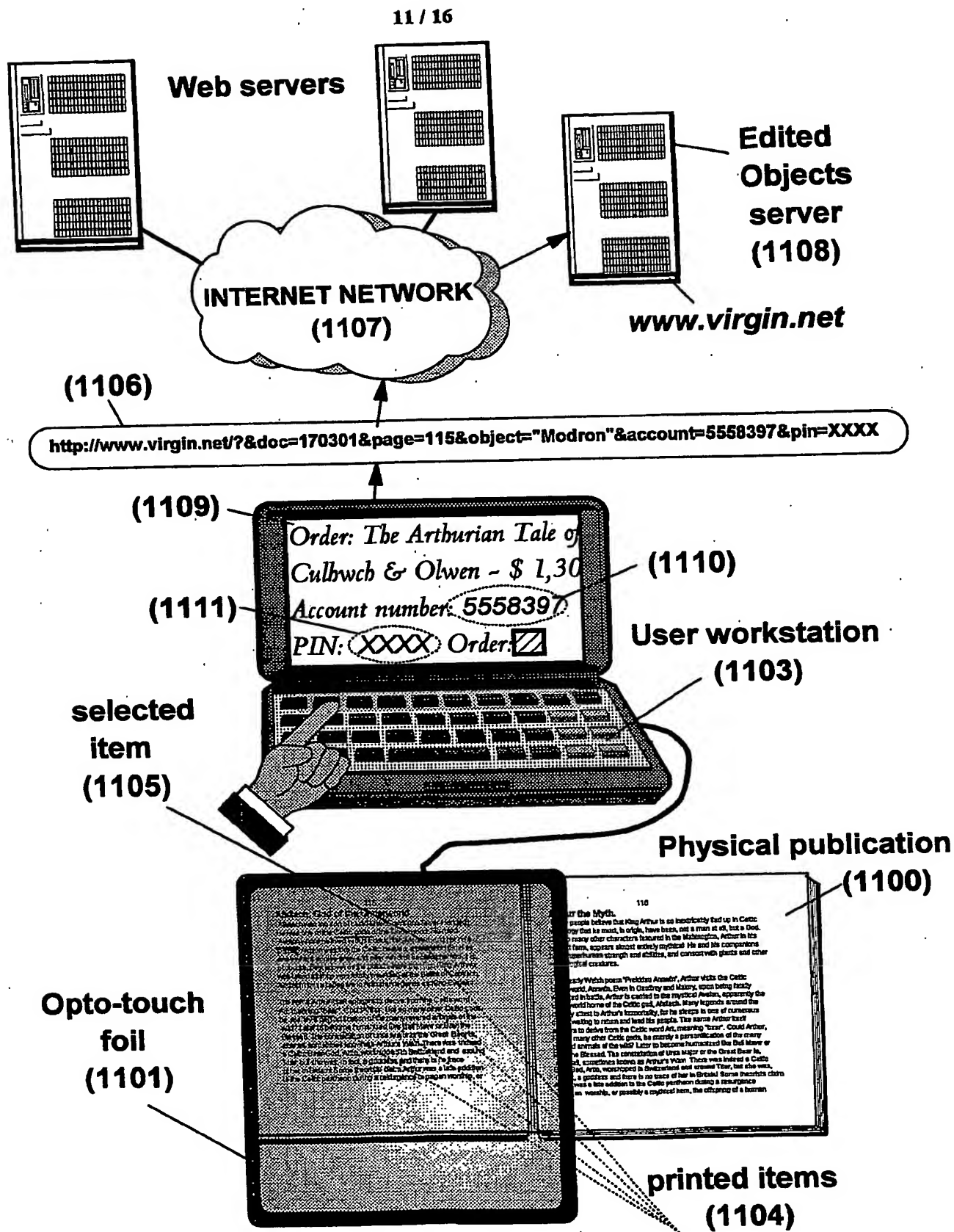
Edited Objects server (1108)

INTERNET NETWORK (1107)

www.virgin.net

(1106)

http://www.virgin.net/?&doc=170301&page=115&object="Modron"&account=5558397&pin=XXXX

(1109)

Order: The Arthurian Tale of Culhwch & Olwen - $ 1,30

(1110)

Account number: 5558397

(1111)

PIN: XXXX Order:

User workstation (1103)

selected item (1105)

Physical publication (1100)

Opto-touch foil (1101)

printed items (1104)

Fig. 11: The user places an order for the selected edited object

Web servers

Edited Objects server (1208)

INTERNET NETWORK (1207)

www.virgin.net

(1206)

http://www.virgin.net/170301/115/Modron.doc

Loading ...
The Arthurian Tale of Culhwch &
Olwen
C:\170301\115\Modron.doc

(1209)

User workstation (1203)

Selected item (1205)

Physical publication (1200)

Opto-touch foil (1201)

printed items (1204)
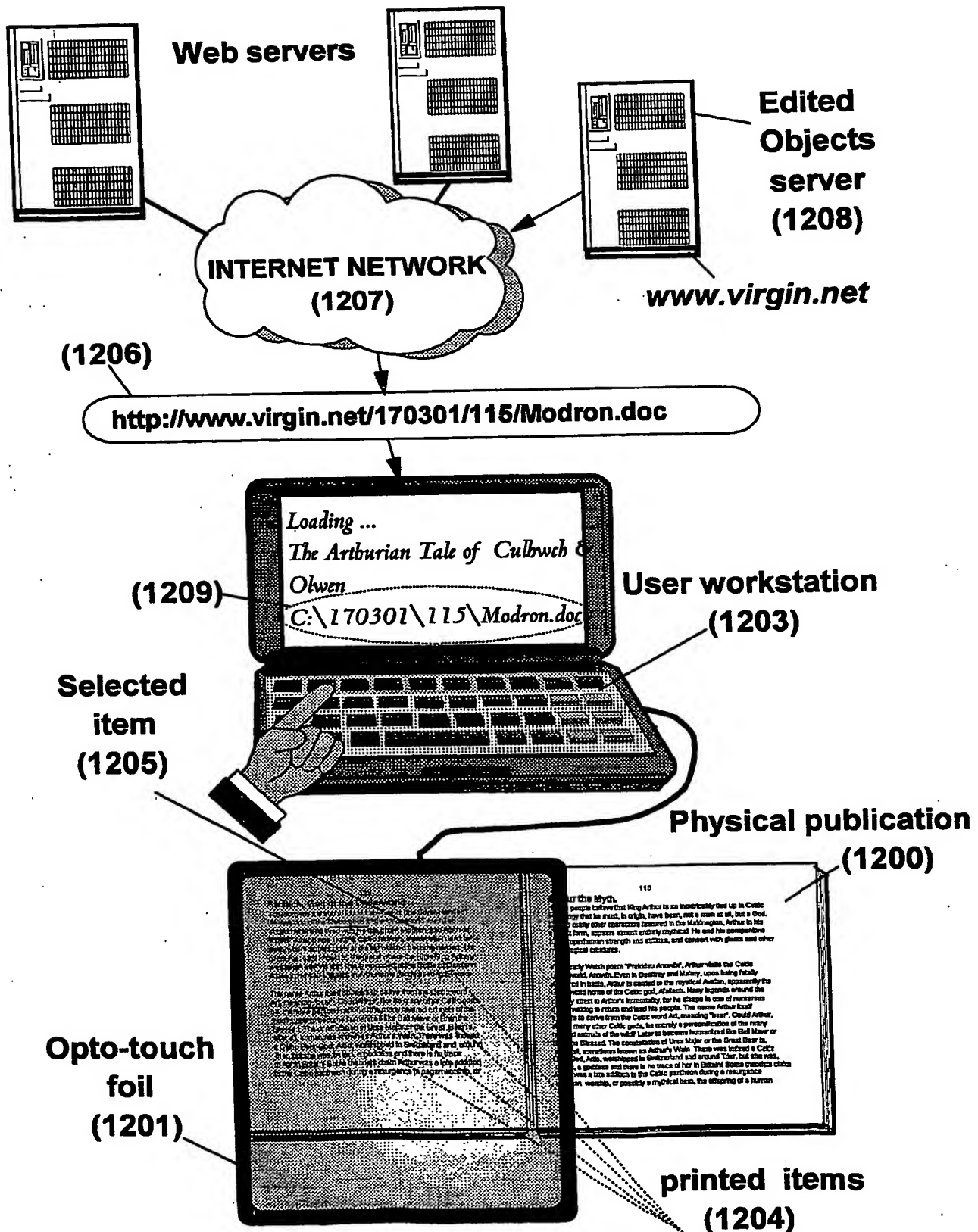
Fig. 12: The requested edited object is received from the Edited Objects server and is stored on the user workstation

(1300)

Edited Objects server: www.virgin.net
Publication: 170301
Title: "Early British Kingdoms"
Author: David Nash Ford of Binfield, Berkshire, UK
Date: 28 / 01/ 1999
ISBN: 84-344-0856-2

Pg: 1

Item position	Item Name	Edited Object Path
X= 45; Y=130	Buellt & Gwerthrynion	c:\170301\1\buellt.html
X=205: Y=170	Caer-Baddan (Bath)	Edited_object_not-found
X= 75; Y=190	Caer-Celemion (Silchester)	c:\170301\1\vortigern.mpg
X=110; Y=255	Ceredigion	c:\170301\1\ceredigion.doc
....		

Pg: 115

Item position	Item Name	Edited Object Path
X= 30; Y= 95	Celtic gods	c:\170301\115\celtic-gods.html
X=255; Y=150	Avalon	c:\170301\115\avalon.html
X=225; Y=160	Modron	c:\170301\115\Modron.doc
X=190; Y=230	Arthur	Edited_object_not-found
....		

(1301)   **(1302)**

Pg: 139

Item position	Item Name	Edited Object Path
X= 25; Y= 30	St.Joseph of Arimathea	c:\170301\139\joseph.html
X= 80; Y= 75	The Kings of Dumnonia	c:\170301\139\dummonia.doc
X=140; Y=135	Eudaf Hen & Conan Meri	Edited_object_not-found
....		

Fig. 13: The Edited Objects Table is updated with the file path to the received edited object

edited object file
c:\170301\115\Modron.doc
(1406)

User workstation
(1403)

Modron (The Mother-Goddess)
Arthurian Tale of Culhwch & Olwen
ISBN: 84-077-5599-2

selected item

Opto-touch **(1402)** **(1405)**
foil

(1401)

Physical publication
(1400)
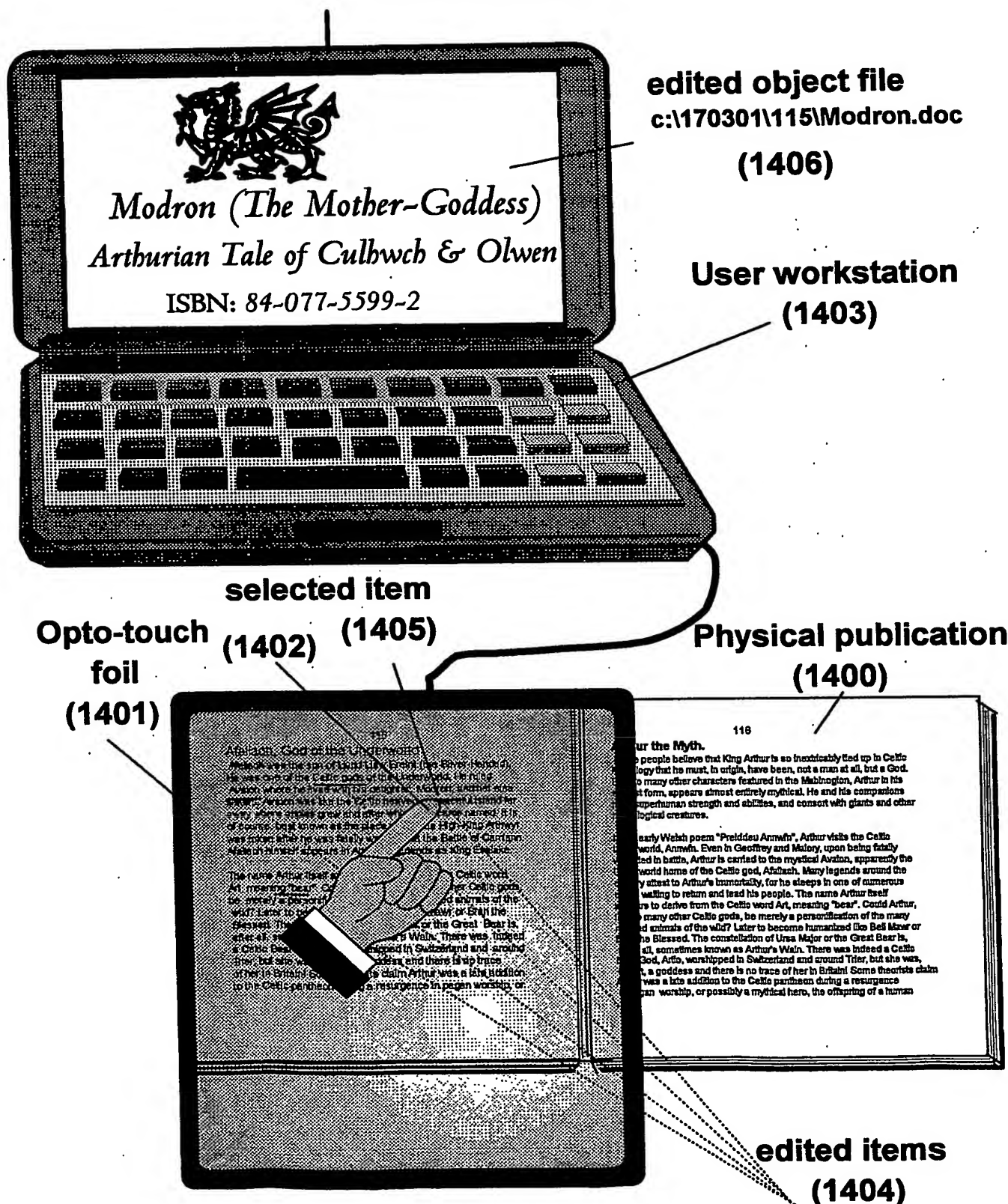
edited items
(1404)

Fig. 14: When the user selects a printed item on the opto-touch foil, the associated edited object is retrieved and displayed on the user workstation

1500

Transparent touch foil (1501)

Transparent light emitting (1502)

touched point
(1503)

light
emission
(1504)

item   item   item   item   item   item   item   item   **selected**   item
item

Physical publication (1505)

(1506)
printed items

Fig. 15: Transparent opto-touch foil

Selecting a publication by entering the reference number of this publication   1601

Selecting a page of the publication and entering the page number   1602

Identifying the positions of items on selected page referring to the Edited Objects Table   1603

Sending to an opto-touch foil the positions of items to illuminate   1604

Placing and aligning the opto-touch foil over selected page   1605

Selecting an item by pressing the opto-touch foil over said item   1606

Identifying the selected item referring to the position of this item on the Edited Objects Table   1607

Is there a path to an edited object in the Edited Objects Table ?   1608

YES   NO   1610

1609

Accessing the edited object from the user workstation and displaying it

Requesting information about the edited object to Edited Objects server

Receiving from the Editorial Objects server information about the selected edited object and displaying it to the user   1611

Optionally filling an order to purchase a license for the edited object and sending this order to the Edited Objects server   1612

Receiving requested edited object from the Edited Objects server, and storing it on the user workstation   1613

Recording in Edited Objects Table the file path to received edited object   1614

Fig. 16: Method for selecting, ordering, retrieving, accessing and displaying copyrighted edited objects from printed publications